

Attorney Docket No.: 4318.234-US

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Bisgaard-Frantzen et al.

Confirmation No: TBA

Serial No.: TBA

Group Art Unit: TBA

Filed: December 19, 2001

Examiner: TBA

For: Amylase Variants

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PRELIMINARY AMENDMENT

Commissioner for Patents
Washington, DC 20231

Sir:

Before examination, please amend the above-identified application as follows:

IN THE CLAIMS:

Please cancel claims 1-29 without prejudice or disclaimer.

Please add new claims 30-47:

30. A variant of a parent alpha-amylase enzyme, wherein said parent alpha-amylase has an amino acid sequence which has at least 80% homology to SEQ ID NO:3, and wherein said variant comprises deletions at positions equivalent to positions 179 and 180 in SEQ ID NO:3 (using SEQ ID NO:3 for numbering).

31. The variant of claim 30, wherein said parent alpha-amylase has an amino acid sequence which has at least 85% homology to SEQ ID NO:3.

32. The variant of claim 30, wherein said parent alpha-amylase has an amino acid sequence which has at least 90% homology to SEQ ID NO:3.

33. The variant of claim 30, wherein said parent alpha-amylase has an amino acid sequence which has at least 95% homology to SEQ ID NO:3.

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